

# **SWAC C&D Subcommittee Meeting**

**MassDEP Bureau of Air & Waste**

**March 28, 2018: 10:00 AM – 12:00 AM**

**One Winter Street, Boston**



# Agenda

- Welcome/Introductions
- C&D Action Plan Development
- Announcements/Updates:
  - CDRA updates
  - RW Construction Materials webpage update
  - Recycling Business Development Grants
- Proposal:
  - Invite Optical Sorting Technology Vendors
- Next Steps/Closing

# Development of C&D Action Plan

CY2016-2017 Input: consultant studies, data collection and stakeholder input

- Following extensive stakeholder process, RecyclingWorks published:
  - C&D Best Management Practices (<https://recyclingworksma.com/construction-demolition-materials-guidance/>), and
  - Case Studies (<https://recyclingworksma.com/how-to/materials-guidance/construction-materials/>)
- NERC/DSM 2016 C&D Debris Market Study (<https://www.mass.gov/files/documents/2017/05/zp/2016study.pdf>)
- August 2017 Survey Monkey Questionnaire (MassDEP-BAW)
- October 2017 C&D Subcommittee Meeting (<https://www.mass.gov/lists/cd-subcommittee-meeting-archive>)

# Development of C&D Action Plan

- Themes emerging from CY2016-2017 input
  1. Jobsite Waste Management
    - Promote waste re-use, reduction and separation at the job site
  2. Enhance C&D Facility Performance
    - Improve performance of existing C&D waste bans
    - Improve recovery rates at C&D Handling facilities
  3. Develop End Markets
    - Expand existing/new wood markets
    - Identify outlets for C&D Fines
    - Promote interagency cooperation with MassDOT, DCAM, etc.

# Development of C&D Action Plan

Theme: Promote waste re-use, reduction and separation at the job site

- Feedback/Ideas?
- Source Separation Pilot Project Initiative
  - Increase recovery of:
    - Clean Wood
    - OCC
    - Plastic
  - Better recovery of fragile materials
    - Gypsum wallboard
    - Ceiling tiles

# Development of C&D Action Plan

Theme: Improve performance of C&D waste bans

- Feedback/Ideas?
- Propose minimum performance standards at all C&D Handling Facilities
  - Incorporated into ATO renewals at 3 facilities in SERO
- Require removal of banned items from both Bulky/DTM and mixed C&D waste (to the greatest extent possible)
  - No distinction
- Clarify definition of “Residuals”
  - Only comes from C&D processor with mechanical sorting and picking line
  - Kick-sort facilities (e.g. transfer stations) do not generate “Residuals”

# Development of C&D Action Plan

Theme: Improve recovery rates at C&D Handling facilities

- Feedback/Ideas?
- CY2018 RBDG program target materials will include “Clean Wood”
  - Install innovative sorting technologies to increase recovery of Clean Wood

# Development of C&D Action Plan

Theme: Expand existing/new wood markets

- Feedback/Ideas?
- Tafisa has capacity to accept more C&D A-Wood that meets specification
- Explore existing markets for reuse, recycling or energy recovery of clean wood

# Development of C&D Action Plan

## Theme: Identify outlets for C&D Fines

- Feedback/ideas?
- As landfills reach end-of-life and acceptance specs are tightened, BUD material uses will continue to diminish
- Identify other BUD material uses
  - Remove sulfates and heavy metals to improve value

# Development of C&D Action Plan

Theme: Promote interagency cooperation with MassDOT, DCAM, etc.

- Feedback/ideas?
- MassDEP is engaged in dialogue with both agencies
  - MassDOT: explore HMA spec expansion to allow use of processed, post-consumer, tear-off RAS
  - DCAM: partner on C&D management plan for surplus site projects
- Reach out to Municipal DPWs statewide

# Development of C&D Action Plan

- 2018 C&D Subcommittee Meetings – continue refining themes under consideration
  - June 14, 2018
  - October 18, 2018
- Draft plan in 2019
  - Translate themes into draft targets and objectives
  - Incorporate C&D Action Plan into draft SWMP for public review and comment
- Final plan in 2020

# Announcements/Updates

# CDRA Updates

- Presented by Bill Turley, CDRA Executive Director
  - C&D Fines Study
  - [Shinglerecycling.org](http://Shinglerecycling.org) website
  - Other matters

# RecyclingWorks in Massachusetts Construction & Demolition Materials Guidance

- Presented by Josh Cook, MassDEP
- The State of the Practice of Construction and Demolition Material Recovery (EPA/600/R-17/231, 2017)
- Minor changes to RecyclingWorks C&D page
  - RW website was updated on 3/19/18
- <https://recyclingworksma.com/construction-demolition-materials-guidance/>

# Recycling Business Development Grant Program

## CY2017 Grant Cycle

- 6 Applications Received under C&D Category
- 3 Awards offered; 2 accepted
  - United Materials Management (newly constructed facility in Millbury)
    - \$250,000 award for improved recovery of C&D wood
  - ReEnergy of Roxbury
    - \$50,000 award for improved recovery of C&D wood and bulky rigid plastics

## CY2018 Grant Cycle

- Application under development
  - One of target materials will be Clean Wood
- Due date ca. June 2018

# Proposal

- Invite Optical Sorting Technology Vendors to deliver short presentations at future C&D Subcommittee Meetings?
- Possible Vendors to invite:
  - OEM, Sherbrooke, QC (Eagle Vizion)
  - Green Machine, Hamstead, NH
  - Pellenc Selective Technology, Fort Mill, SC
  - Waste Robotics, Québec City, QC

Any other business to discuss?

# Next Steps/Closing

## For More Information:

### Point of Contact:

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